

re-run

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/551,492
Source: FWP
Date Processed by STIC: 7/25/06

ENTERED

re-run

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/551,492

CRF Edit Date: 7/25/06
Edited by: [signature]

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

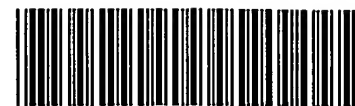
___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

___ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

✓
___ Other: corrected <1417 line



RAW SEQUENCE LISTING

DATE: 09/20/2006

PATENT APPLICATION: US/10/551,492

TIME: 14:56:11

Input Set : N:\AMC\sonn078.txt

Output Set: N:\CRF4\09202006\J551492.raw

3 <110> APPLICANT: MEINKE, ANDREAS
 4 MIN BUI, DUC
 5 NAGY, ESZTER
 7 <120> TITLE OF INVENTION: S. Epidermidis Antigens
 9 <130> FILE REFERENCE: SONN:078US
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/551,492
 12 <141> CURRENT FILING DATE: 2005-09-30
 14 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/003398
 15 <151> PRIOR FILING DATE: 2004-03-31
 17 <150> PRIOR APPLICATION NUMBER: EP03450078.5
 18 <151> PRIOR FILING DATE: 2003-03-31
 20 <160> NUMBER OF SEQ ID NOS: 64
 22 <170> SOFTWARE: PatentIn version 3.1
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 2028
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Staphylococcus epidermidis
 29 <400> SEQUENCE: 1
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 34 tcatcaaagt ttgaaaatac ttctaatagt aactccatcg ctgacaaaat ccaacaagct 180
 36 aaagatgata ttaaagattt gaaagaactt tctgacgcag atatcaaaag ttttgaagaa 240
 38 cgttttagata aagtcgataa tcaatcaagt attgaccgta ttataaatga tgcaaaagat 300
 40 aaaaataatc atttaaaatc gacagactct agtgccacat catcaaaaac tgaagatgac 360
 42 gatacatctg aaaaagataa tgatgatatg actaaagact tagataaaat actgtcggat 420
 44 ttagattcaa ttgctaataa tgttgataac cgtcaacaag gtgaagagag agcttctaaa 480
 46 cctagtgact caacaaccga tgaaaagat gattcaaata ataaagtaca cgatacaaat 540
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 54 caatccgata gtgatagtaa agacgataaa agtaatgatg gtcatcgctc aacattagaa 780
 56 cgtatagcat cagatactga tcaaattagg gattcaaaag atcaacatgt cacagatgaa 840
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 62 atgaatttaa gatcactaga taaaaagta gaggataata acactttatc tgatgataag 1020
 64 aaacaagcgc ttaaacaaga aattgataag actaagcaaa gtattgaccg acaaagaaat 1080
 66 attattatag atcaactcaa tgggtgctagt aataaaaaac aagcaaccga agatatctta 1140
 68 aatagtgttt ttagcaaaaa tgaagtagaa gacataatga aacgtattaa aacaaatggc 1200
 70 cgaagtaatg aagatatcgc taatcaaatt gccaaagcaa ttgatggctc tgcattaact 1260
 72 tctagtgatg atatttttaa atcaatgtta gatcaatcta aagataaaga aagtttaatt 1320
 74 aaacaattgt tgacgacacg acttggtaat gatgaagcag atcgtattgc taaaaaattg 1380
 76 ttaagccaaa acttgctcga ttctcaaatt gtagaacaat taaaacgtca tttcaatagt 1440
 78 caaggaacag ctacagctga tgatatattg aatggtgtga ttaatgatgc taaagacaaa 1500

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84 gcgattgaag gcaaggcaaa tgatttatta gatatagaaa aacgagcaaa acaagctaag 1680
86 aaagatttag aatatatttt agatcctata aagaatagac catccttggt agatcgtatt 1740
88 aacaaaggtg tcggtgattc taattcaata tttgatagac caagtttact tgataaactt 1800
90 cactcaagag gatctattct tgataaatta gatcattcgg caccggagaa tggattatct 1860
92 ttagataata aagggtggcct tttaagtgat ctatttgacg acgatggtaa tatctcatta 1920
94 ccagcgacag gtgaagtcac caaacaacat tggataccag tggctgttgt actcatgtca 1980
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102 <213> ORGANISM: Staphylococcus epidermidis
104 <400> SEQUENCE: 2
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109 gaacaacatc aatcacaaaa agaaacatca aaacaatctg aaaaagatga atttaacaac 180
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113 tctaataaac cattatcagc tgattcaaca catcgtaact ataaaatgaa agatgataat 300
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117 gaaccgaata aatacgaaga cagtttttag ttaacgtcac tcatccaaaa tttatttgat 420
119 tttgattctg atataacaga ttacgaacag ccacaaaaga caagccattc ttctaattgac 480
121 gaaaaagatc aagtagacca agcagatcag gcaaaacaac catcacaaca tcaagaacca 540
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125 aaccaccaag cggattctga cgtcagtgat ttacttggag aaatggataa agaagatcaa 660
127 gaaggcgaaa acgtagatac aaacaaaaat caatcttctt ctgagcaaca acaaaactcaa 720
129 gcgaatgatg atagctcaga acgtaacaaa aaatattcta gtattacaga ttcagcatta 780
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139 ggtgacttat cttctgattc atttaatggt gttgacagtc aagacacacg tgatttcatt 1080
141 caatcaattg ctaaagatgc gcatcagatt ggaaaagacc aagatatata tgcacagtt 1140
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145 aatcataact tgtttggaat caaagggtgac tacaaggac aatctgtaac ttttaatact 1260
147 ttagaagctg atagcagtaa tcatatgttt agtatccaag caggtttccg taaataccca 1320
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155 aaacattatc atttaacatc ttttgacaaa gaaaaaatgc ctaacatgaa gaaatataat 1560
157 aaatcaatag gtacggatgt gtctggtaat gacttcaaac catttactga aacttccggt 1620
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161 gatgcattca tttctggtga cttaggtgat gtcataatt ggaataaccg tgctgaaagt 1740
163 gaaggctata cggtaacgca cacacctaaa aatcatactg cagttgtgtt tgaagctggg 1800
165 caattaggtg ctgatacaca gtatggtcat gttgccttcg ttgaaaaagt taatgacgac 1860
167 ggttcaattg ttatttctga atcaaatgtt aaaggattag gtgtcatttc attcagaact 1920
169 attgatgcag gagatgtcca agatttagat tacattaaag gtaaa 1965
172 <210> SEQ ID NO: 3
173 <211> LENGTH: 492

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175 <213> ORGANISM: Staphylococcus epidermidis

177 <400> SEQUENCE: 3

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182 tggatatcaat ctaaagcaaa aataaacgaa cctatatggg tttatgaaaa agaagggaaa      180
184 gtagttgggtt ttgccactta tggttccttt agacaatggc cggcctatct atatactatt      240
186 gaacatttcta tatatgttca tcaacagtac agaggactag gtatcgcttc tcaattatta      300
188 gagaatttaa ttcggttacgc taaagaacaa ggttatcgca ccattgttgc tgggattgat      360
190 gcatcgaaca tggatagtat cgcattgcat aagaagtttg acttctcaca tgcaggtaca      420
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199 <212> TYPE: DNA

200 <213> ORGANISM: Staphylococcus epidermidis

202 <400> SEQUENCE: 4

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207 ctttctacta ttatagatca gctgcataat tgccaatcat tttgtatttc ggttgcatct      180
209 ataaccgaga gtggttttagc aagtctaaaa tcacattttt atgatttaag taagaaaggc      240
211 gtaaaaggaa ggataataac atcaaatatc ttaggtttta atagtccgaa aatgtttgag      300
213 gaattattga aattagagaa tgtagagggt aaattaacaa acattgaggg gttccatgct      360
215 aaggggtaca tatttgaaca tcataaccac acttctttta ttataggagg ttcgaattta      420
217 acttctaatt cattgaaatt gaattatgaa cataatttat ttttatctac tcataaaaat      480
219 ggagatcttg ttaacaatat taaatataaa tttgatgaac tttgggattc tagcttttct      540
221 ttaactaatg aatggataaa tgaatataaa cagtcttttg aatatcaaac attgcaaaaa      600
223 gtatttgata acactgttgt tcaaaattca gatattaaaa agtttaatga atcaaaactt      660
225 ataaaacca atttaatgca agaacacgca ttaaagtcac tagagtcttt gagaaatgtg      720
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229 cttgatgtaa gagcttattc tccagataaa tttctattta ttgttcataa tgaaggata      840
231 ttaaatagag ctatagaaga atttaagaaa gtatttccat atgaggatga aagtaatttt      900
233 ggattattaa caggaaaacg aaaggatcat gatgctaaat tcctttttgc aacaattcaa      960
235 acactttcta aaaaggaaaa ttataaattg tttaactcta atcattttga ctacatcggt      1020
237 tttgacgagg ctcatcgaat tgctgcatct agttatcaga aaatatttaa ttattttaaa      1080
239 cctaactttt tgctaggaat gactgcaaca ccagaaagaa ctgatgaatt aaatattttt      1140
241 gaattgttta attataatat tgcttatgaa attcgtttac aagaggcttt agagagtaat      1200
243 attttatgtc cttttcatta ttttgaggtt acagattata ttcaaaatga aatgagtcaa      1260
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253 tctattaatt atataattac tgtagatttg tttaacgaag gaattgatat tcctgaaata      1560
255 aatcaagttg taatgttaag acctactaaa tcaagtatta tatttattca acagcttggt      1620
257 agaggattaa gaaaaagtac taataaagaa tttgttactg ttattgattt tatcggtaat      1680
259 tataaaacta actatatgat cccaatagcc ttatctggaa ataaatctca aaataaggat      1740
261 aattacagaa aattcttaac agatactacg gttttaaacg gtgtttcaac aataaatttt      1800
263 gaagaagtag ctaaaaataa aattttataat tcaactagatt ctgttaaatt aaatcaacca      1860
265 aaattaatta aagaagcttt taacaatgta aaagaccgta taggtaaatt acctttactt      1920

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271 aaaaatttaa catttttatac aagacaatta acacctggac ttaaaaaagt agatattgat 2100
273 gtattgaaag aaattataca aaatgacgta acttatgaaa atttaacaaa aaaaatgtta 2160
275 aacattaata acgatatttc ggaatatgat attaacactt cattaagcat tttagatttt 2220
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293 agagatgatg aagggaaata tttctactat ttaggtaaag ccaaataat taaaggaact 2760
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302 <212> TYPE: DNA
303 <213> ORGANISM: Staphylococcus epidermidis
305 <400> SEQUENCE: 5
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310 tctgaaacac caacagttga acaaatagaa caattaaaag tacttgtttc tgaagaatta 180
312 actcaatatg cgtcttcaat tttattagat ccagaatatg gtttaccagc atcagatgct 240
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322 ttcttggaag ttttaacata tgacgacaat attcctgaca ataaaagtgc agaattcgct 540
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326 gtggatgtac ttaaagttga agtacctgtg aatatgaatt ttgtggaagg attttcagaa 660
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334 tggtcaggag cagttaaggt atacattgaa gaaggagagc aagctgccag agaatggttg 900
336 cgtacggtag gatttaagaa tattgatgat ttgaatacag tattgaaaac aacagctaca 960
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346 <400> SEQUENCE: 6
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351 catagagaga tgcttgattc agtggtgaat acttttaaca taagtgcaga ttatgatttg 180
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355 gaagatatca taaaaagga agtgcctgat atggtacttg ttcattggtg tacagtgaca 300
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363 gagggtaaat tagccaaaca tatagctatc actggtaata cagctattga cgcaatgaat 540
365 tatacaatcg atcaccaata ttcacatctc atcatacaaa aacataaaaa taaaaacttt 600
367 attttactca cagcacatag acgtgaaaat ataggtaaac ctatgataaa cgtgttttaa 660
369 gcgattagaa agttgattga tgaatatcag gatttagcgt tggctctacc tatgcatatg 720
371 aatcccaaaag taagagatat tgcgcaaaaa tatttaggaa atcatcctag gattgaattg 780
373 atagaaccac ttgatgtggt tgattttcat aattttgcta aacaagcata tctcattatg 840
375 actgactctg gtggaataca agaggaggca ccatcattac acaaaccagt tttagtattg 900
377 agagatagta ctgaaagacc ggaggaggta gatgctggaa ctttgagagt cattggtagc 960
379 aatgaagaag atgtctataa tgaaactaaa aaattaatag aaaaccaga cttttatcaa 1020
381 aaaatgagtc aagctgttaa tccatatggc gatggacaag ctagtgagag aattgtgcaa 1080
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398 gacttagaag tttcagatac aaagaaatca gaaaataatg ctataaaaag tgcaaacac 180
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448 acaactgttg aaaagttagc acaaggtcaa gcaaaagctg gctctactgc taaatcaatg 1680
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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/551,492

DATE: 09/20/2006

TIME: 14:56:12

Input Set : N:\AMC\sonn078.txt

Output Set: N:\CRF4\09202006\J551492.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

**Raw Sequence Listing before editing
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DATE: 09/20/2006

PATENT APPLICATION: US/10/551,492

TIME: 14:49:52

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Output Set: N:\CRF4\09202006\J551492.raw

3 <110> APPLICANT: MEINKE, ANDREAS
 4 MIN BUI, DUC
 5 NAGY, ESZTER
 7 <120> TITLE OF INVENTION: S. Epidermidis Antigens
 9 <130> FILE REFERENCE: SONN:078US
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/551,492
 W--> 12 <140> CURRENT APPLICATION NUMBER: 2005-09-30
 C--> 14 <141> CURRENT FILING DATE: 2005-09-30
 14 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/003398
 15 <151> PRIOR FILING DATE: 2004-03-31
 17 <150> PRIOR APPLICATION NUMBER: EP03450078.5
 18 <151> PRIOR FILING DATE: 2003-03-31
 20 <160> NUMBER OF SEQ ID NOS: 64
 22 <170> SOFTWARE: PatentIn version 3.1
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 2028
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Staphylococcus epidermidis
 29 <400> SEQUENCE: 1

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 34 tcatcaaatg ttgaaaatac ttctaatagt aactccatcg ctgacaaaat ccaacaagct 180
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 44 ttagattcaa ttgctaaaaa tgttgataac cgtcaacaag gtgaagagag agcttctaaa 480
 46 cctagtgact caacaaccga tgaaaaagat gattcaaata ataaagtaca cgatacaaat 540
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 50 aaaatccaac aagattttta atctgactct aataataatc cttctgaaca aagcgatcag 660
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 54 caatccgata gtgatagtaa agacgataaa agtaatgatg gtcacgctc aacattagaa 780
 56 cgtatagcat cagatactga tcaaatagg gattcaaaag atcaacatgt cacagatgaa 840
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 66 attattatag atcaactcaa tgggtgctagt aataaaaaac aagcaaccga agatatctta 1140
 68 aatagtgttt ttagcaaaaa tgaagtagaa gacataatga aacgtattaa aacaaatggc 1200
 70 cgaagtaatg aagatatcgc taatcaaatt gccaaagcaaa ttgatggctc tgcattaact 1260
 72 tctagtgatg atatttttaa atcaatgtta gatcaatcta aagataaaga aagtttaatt 1320
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Does Not Comply
Corrected Diskette Needed

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92 ttagataata aaggtggcct tttaagtgat ctatttgacg acgatggtaa tatctcatta 1920
94 ccagcgacag gtgaagtcac caaacaacat tggataccag tggctgttgt actcatgtca 1980
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102 <213> ORGANISM: Staphylococcus epidermidis
104 <400> SEQUENCE: 2
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109 gaacaacatc aatcacaaaa agaaacatca aaacaatctg aaaaagatga atttaacaac 180
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121 gaaaaagatc aagtagacca agcagatcag gcaaaaacac catcacaca tcaagaacca 540
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155 aacattatc atttaacatc ttttgacaaa gaaaaaatgc ctaacatgaa gaaatataat 1560
157 aatcaatag gtacggatgt gtctggtaat gacttcaaac catttactga aacttccggt 1620
159 acatcacctt acccacatgg ccaatgtact tggatgtgt accaccgtat gaatcaattt 1680
161 gatgcacca tttctggtga cttaggtgat gtcataatt ggaataaccg tgctgaaagt 1740
163 gaaggctata cggtaacgca cacacctaaa aatcatactg cagttgtgtt tgaagctggg 1800
165 caattaggtg ctgatacaca gtatggtcac gttgccttcg ttgaaaaagt taatgacgac 1860
167 ggttcaattg ttatttctga atcaaatgtt aaaggattag gtgtcatttc attcagaact 1920
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173 <211> LENGTH: 492

174 <212> TYPE: DNA

175 <213> ORGANISM: Staphylococcus epidermidis

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182 tggatatcaat ctaaagcaaa aataaacgaa cctatatggg tttatgaaaa agaagggaaa	180
184 gtagttgggt ttgccactta tggttccttt agacaatggc cggcctatatt atatactatt	240
186 gaacattcta tatatgttca tcaacagtac agaggactag gtatcgcttc tcaattatta	300
188 gagaatttaa ttcggttacgc taaagaacaa gggttatcgca ccattgttgc tgggattgat	360
190 gcatcgaaca tggatagtat cgcattgcat aagaagtttg acttctcaca tgcaggtaca	420
192 attaaaaatg taggttataa atttgatcga tggctcgatt tatcatttta tcaatatgat	480
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197 <210> SEQ ID NO: 4

198 <211> LENGTH: 2856

199 <212> TYPE: DNA

200 <213> ORGANISM: Staphylococcus epidermidis

202 <400> SEQUENCE: 4

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207 ctttctacta ttatagatca gctgcataat tgccaatcat tttgtatttc ggttgcattt	180
209 ataaccgaga gtggttttagc aagtctaaaa tcacattttt atgatttaag taagaaaggc	240
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213 gaattattga aattagagaa tgtagagggt aaattaacaa acattgaggg gttccatgct	360
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217 acttctaatt cattgaaatt gaattatgaa cataatttat ttttatctac tcataaaaat	480
219 ggagatcttg ttaacaatat taaatataaa tttgatgaac tttgggattc tagcttttct	540
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233 ggattattaa caggaaaacg aaaggatcat gatgctaaat tcctttttgc aacaattcaa	960
235 acactttcta aaaaggaaaa ttataaattg tttaactcta atcattttga ctacatcggt	1020
237 tttgacgagg ctcatcgaat tgctgcatct agttatcaga aaatatttaa ttattttaaa	1080
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245 gaagatgcat ttaatctaaa atatttagca tctaataaac gtgttgaaca catcataaaa	1320
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251 ttgacaggaa aagattctat agcttataga gctgaaacaa ttcaacaact aaaagaagga	1500
253 tctattaatt atataattac tgtagatttg tttaacgaag gaattgatat tcctgaaata	1560
255 aatcaagttg taatgttaag acctactaaa tcaagtatta tatttattca acagcttggt	1620
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259 tataaaaacta actatatgat cccaatagcc ttatctggaa ataaatctca aaataaggat	1740
261 aattacagaa aattcttaac agatactacg gttttaaacg gtgtttcaac aataaatttt	1800
263 gaagaagtag ctaaaaataa aattttataat tcactagatt ctgttaaatt aaatcaacca	1860

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287 tttatcactt atgataaaca tgagaatatc agtgataata ctaagtacga cgatgaattt 2580
289 ttgagccaag acgaattgaa atggtacacg cgggtccaatc gtaaattaac ttcaccagaa 2640
291 gtacaaaata ttttaaagca tgaagaaagt aatacagata tgtatatatt tgtgaaaaaa 2700
293 agagatgatg aagggaaata tttctactat ttaggtaaag ccaaataat taaaggaact 2760
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302 <212> TYPE: DNA

303 <213> ORGANISM: Staphylococcus epidermidis

305 <400> SEQUENCE: 5

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310 tctgaaacac caacagttga acaaatagaa caattaaaag tacttgtttc tgaagaatta 180
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320 caaaagaaag catatatattga acgaattggt tcagaatgtg ttgccgaaga tattcctttc 480
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328 ggagaagttg tttatactaa agaagaagct gcacaacatt tccgtgatca agatgcagct 720
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334 tgggtcaggag cagtttaaggt atacattgaa gaaggagagc aagctgccag agaattggtg 900
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342 <211> LENGTH: 1146

343 <212> TYPE: DNA

344 <213> ORGANISM: Staphylococcus epidermidis

346 <400> SEQUENCE: 6

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351 catagagaga tgcttgattc agtggtgaat acttttaaca taagtgcaga ttatgatttg 180
353 aatattatga aagctggtca aacattgtct gaagtaacat ctgaagcaat gaaaaagtta 240
355 gaagatatca tacaaaagga agtgctgat atggtacttg ttcattggtg tacagtgaca 300

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361 ggggtaatgg cagatttgca ctttgcccca acctataatg ctgcacagaa tttagtaaaa 480
363 gagggtaaat tagccaaaca tatagctatc actggtaata cagctattga cgcaatgaat 540
365 tatacaatcg atcaccaata ttcatcatct atcatacaaa aacataaaaa taaaaacttt 600
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391 <213> ORGANISM: Staphylococcus epidermidis
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398 gacttagaag ttccagatac aaagaaatca gaaaataatg ctataaaaag tgcaaacaac 180
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L:12 M:283 W: Missing Blank Line separator, <140> field identifier
L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date